

ID	Watershed	Proponent	Contact	Contact e-mail	Phone	Extension	Project Name	Project Timeframe	Estimated Cost	Project Description
3	Los Angeles County Coastal	Resource Conservation District of the Santa Monica Mountains	Rosi Dagi	rdagit@rcdsmm.org	(818) 597-8627	102	Malibu Creek Water Quality Monitoring for Southern Steelhead Trout	March - October	\$18,000	<p>Funding is needed to deploy, monitor and maintain several YSI 6600 data sondes (or other probes as available) to continuously monitor dissolved oxygen, pH, conductivity, chlorophyll a, and temperature in Malibu Creek. We would like to also deploy these sondes in Topanga Creek to provide a reference condition. Sondes would be provided by either SCCWRP or local university partners, but cost for staff monitoring, maintenance, materials and data analysis is approximately \$18,000 for 7 months (March-October). Documenting water quality conditions in the reach with and without endangered fishes is critical.</p> <p>In 2006, all the fish (native and non-native), in Malibu Creek below Rindge Dam died. A period of high water temperatures and a proliferation of algae were the two unusual factors observed. A suite of variables was studied, but as all the data was collected after the fact, no final conclusion concerning cause was possible. Concern about re-occurrences (fish decline in 2009 and 2011) can only be addressed by consistent monitoring over time. This will provide data on potential causes, and lead to possible prevention of future problems.</p>

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8	Los Angeles County Coastal	Heal the Bay	Sarah Sikich	ssikich@healthebay.org	(310) 451-1500	163	Malibu Creek Watershed Stream Team	1 year	\$75,000	The mission of Heal the Bay’s Malibu Creek Watershed Stream Team citizen monitoring program is to cost effectively produce accurate and reliable water chemistry and habitat assessment data that can be used by resource management agencies and citizen groups to protect California’s watersheds and aquatic resources. Stream Team uses two powerful monitoring programs to assess watershed health: water chemistry and bioassessment monitoring. For water chemistry monitoring, teams of trained volunteers led by Heal the Bay staff conduct monthly water quality sampling and lab analyses (parameters include total nitrogen, phosphate, ammonia, turbidity, bacteria, dissolved oxygen and pH). Water chemistry monitoring is conducted monthly at about 20 sites (the number of sites may vary depending on conditions), which totals approximately 240 monitoring events annually. Trained Heal the Bay staff also conduct annual bioassessment monitoring, which involves intensive benthic macroinvertebrate sampling and physical habitat surveys, at 12 sites annually. The benthic macroinvertebrate samples are analyzed for species presence, diversity, and abundance, which provide direct and accurate information about the health of creeks and streams throughout the Malibu Creek Watershed as represented by an Index of Biological Integrity score.